

Patent Claims

1. An organopolysiloxane composition which is cured by at least one rhodium compound and comprises:

5

(A) compounds which have radicals containing aliphatic carbon-carbon multiple bonds,

(B) organopolysiloxanes containing Si-bonded hydrogen atoms or, instead of (A) and (B)

10 (C) organopolysiloxanes which have SiC-bonded radicals containing aliphatic carbon-carbon multiple bonds and Si-bonded hydrogen atoms, and

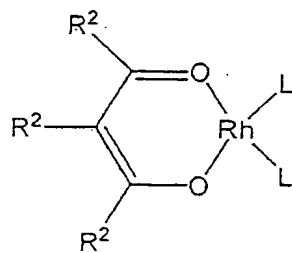
(D) a rhodium catalyst, at least one being selected from the group consisting of

compounds of the formula

15



20 or



(V)

where

- R^2 can be identical or different and is a hydrogen atom, or monovalent unsubstituted or substituted hydrocarbon radicals having from 1 to 24 carbon atoms,
- 5 R^3 can be identical or different and is hydrogen, $-OR^4$ or monovalent unsubstituted or substituted hydrocarbon radicals having from 1 to 24 carbon atoms,
- R^4 can be identical or different and is a hydrogen atom, or a monovalent unsubstituted or substituted hydrocarbon radical having from 1 to 20 carbon atoms,
- 10 X can be identical or different and is halogen or hydrogen,
- L can be identical or different and is CO, acetylacetonate, 0.5 cyclooctadiene, 0.5 norbornadiene or $P(R^3)_3$ and
- S is 2 or 3.

- 15 2. The organopolysiloxane composition as claimed in claim 1, wherein at least one rhodium compound is selected from the group consisting of
 (acetylacetonato)carbonyl(triphenylphosphane)rhodium(I),
 (acetylacetonato)dicarbonylrhodium(I),
 carbonylchlorobis(triphenylphosphane)rhodium(I),
 20 (acetylacetonato)(1,5-cyclooctadiene)rhodium(I),
 rhodium(II) acetate dimer, rhodium(III) acetylacetonate and
 rhodium(II) octanoate dimer.

3. The organopolysiloxane composition as claimed in claim 1 or 2,
 25 wherein a heat stabilizer is present as constituent F.

4. The organopolysiloxane composition as claimed in claim 3, wherein at least one of the group which consists of cerium oxide, cerium octoate, cerium-siloxane compounds, iron oxide, iron octoate, iron-siloxane
 30 compounds, zinc carbonate, manganese carbonate and titanium oxide is selected as heat stabilizer.

5. A process for preparing organopolysiloxane compositions as claimed in one or more of claims 1 to 4 by mixing the rhodium catalyst (D) with a mixture composed of (A), if appropriate filler (E) and (F), and (B).

5 6. The process as claimed in claim 5 for preparing organopolysiloxane compositions by mixing the rhodium catalyst (D) with a mixture, wherein the mixture is made up as two-component system; in this case the first component comprises (A), (D) and if appropriate (E) and (F) and the second component comprises (B) and if appropriate also (A), (E) and (F).

10

7. The process as claimed in claim 6 for preparing organopolysiloxane compositions by mixing the rhodium catalyst (D) with a mixture, the mixture being made up as two-component system; in this case the first component comprises (A), (B) and if appropriate (E) and (F) and the second component
15 comprises (D) and if appropriate (A), (E) and (F).

8. A molding or extrudate which is produced from organopolysiloxane compositions as claimed in one or more of claims 1 to 4.

20 9. The molding as claimed in claim 6, wherein it is a food mold.